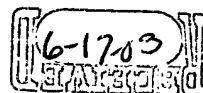


Official



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
Attorney Docket No. 77682-57

In re application of Ghassan Naim, et al

Serial No.: 09/409,986

Filed : September 30, 1999

For : FAIR PACKET SCHEDULER AND
SCHEDULING METHOD FOR PACKET
DATA RADIO

)
) Art Unit: 2685
)
) Examiner: Charles R. Craver
)
)
)

AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In response to the Office Action dated July 3, 2002 please amend the above-identified application as follows:

IN THE DESCRIPTION

Please amend page 4, line 15 to line 19 as follows:

-Preferably, the transmit priority is calculated according to:

$$P_{transmit} = \begin{cases} -1 & dFr > a \\ \text{Highest} & dFr = a \\ \left(\frac{dFr}{trSize} \right) \left(1 + \left[\frac{1}{a - dFr} - \frac{1}{a} \right] a \right) + MS Priority & dFr < a \end{cases}$$

- 2 -

where:

trSize is the transaction size;--

Please amend page 12, line 8 to line 13 as follows:

--In the preferred embodiment, the priority P_{slot} for each of the selected mobile stations to be allocated an available downlink slot is calculated as follows:

$$P_{slot} = \begin{cases} -1 & dFr > a \\ \text{Highest} & dFr = a \\ \left(\frac{dFr}{trSize} \right) \left(1 + \left[\frac{1}{a - dFr} - \frac{1}{a} \right] \alpha \right) + MS \text{ Priority} & dFr < a \end{cases}$$

where:

trSize is the above referenced original transaction size in units of MAC frames;--

IN THE CLAIMS

Please amend claims 6, 7, 15, 21, 22 and 23 as follows:

6. (Amended) A method according to claim 1 further comprising:

maintaining a respective measure of how long since each particular wireless station was last allocated a transmit opportunity;

wherein said transmit priority is also a function of how long until a timeout will occur for the respective wireless station.

7. (Amended) A method according to claim 5 further comprising:

maintaining a respective measure of how long since each particular wireless